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426-01

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Steven Treiber, Ashuraj Sirohi, Subhash Ghorpade, Simon Lingard  
and Chau-Chyun Chen

Application No.: 09/678,724 Group: 2184

Filed: October 4, 2000 Examiner: Not assigned

For: COMPUTER METHOD AND APPARATUS FOR DETERMINING STATE OF  
PHYSICAL PROPERTIES IN A CHEMICAL PROCESS

CERTIFICATE OF MAILING	
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to Assistant Commissioner for Patents, Washington, D.C. 20231	
on <u>12/19/00</u>	<u>Margaret A. Noreutt</u>
Date	Signature
<u>Margaret A. Noreutt</u>	
Typed or printed name of person signing certificate	

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Please amend the application as follows:

In the Specification

On page 2, line 20, after "involves" change "heat and mass balance equations" to read --equations for heat and mass balances--.

On page 2, line 21, after "kinetics" insert --,process geometries and control strategies--.

On page 3, line 3, after "its" change "mass and energy equations, polymer thermodynamics and kinetics" to read --equations related to heat and mass balances, polymer thermodynamics, kinetics, process geometries and control strategies--.

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On page 3, line 7, after "polymerization and", change "gas" to read --reactant--.

On page 4, line 8, after "Aspen IQ" insert --or Aspen Online--.

On page 5, line 13, after "a first" insert --or higher--.

On page 8, line 6, change "a flow stream" to read --a process flow sheet--.

On page 14, line 9, change "These can be five" to read "Although these conditions can be a few--.

On page 14, line 10, after "old" delete "and thus" and insert a comma therefor.

On page 14, line 10, after "latest" delete "instantaneous properties" and insert instead --conditions available--.

On page 14, line 24, after "takes several" insert --seconds to several--.

On page 15, line 2, after "every" insert --one to--.

On page 15, line 16, change "dynamic-hybrid model" to read --inferred dynamic model--.

#### CONCLUSION

The foregoing amendments are for clarity and are clerical in nature. No new matter is being introduced. Acceptance is respectfully requested.

Respectfully submitted,

HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

By Mary Lou Wakimura

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